

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY
HARVARD MEDICAL SCHOOL
25 SHATTUCK STREET
BOSTON 15, MASSACHUSETTS

March 1, 1956

Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg,

Thank you very much for sending Salmonella typhimurium strains LT-4, 7, 8, 9, and 10 to me.

Each of these strains is sensitive to H-5 (weak virulent) PLT-22 phage; each strain grows on histidine as the sole carbon source. The rate of growth on histidine is slow, however (gen.time about 6 hrs).

Since these strains were requested from you, I found that S. typhimurium #10139 which I had originally believed to be resistant to PLT-22 (checked vs H-1 phage, temperate) is at least partially sensitive to the H-5 lytic mutant of PLT-22. This was the first typhimurium strain that was found to grow on histidine, though again at a slow rate. Continuous culture on histidine has not selected for fast growth rate on histidine through a number of transfers (H. Bowser).

Again, many thanks.

Sincerely yours,


Philip E. Hartman